T1 Connectivity

Section V (a)

Policies

(a) Establish a minimum telecommunications standard (T1) for connectivity to the Hoosier SAFE-T network.

(b) ISPC will provide a minimum of one (1) T1 capacity between each IR site and a Smart Zone Controller.

(c) T1 connectivity is required between each wire line dispatch center and a Smart Zone Controller.

(d) Participating local and state agencies will provide T1 connections to the Smart Zone Controller for each wire line dispatch center to be connected to the backbone.

(e) IPSC will facilitate ordering of all T1 circuits through Intelenet. Each order is to be placed through the Project Hoosier SAFE-T System Administrator, who will process internally then forward to the Intelenet Commissions' Manager of Network Services for processing with the telecommunications vendor.

(f) IPSC will maintain a database of all T1 circuits/orders for the purpose of tracking, implementation oversight and network planning.

(g) Each T1 circuit requires Motorola testing/qualification before the site may proceed with network implementation

1) Background

The Motorola 800 MHz digital trunked system requires each Hoosier SAFE-T IR site and wire-line dispatch centers of local and state agencies participating on the network to be connected to the backbone via a T1 circuit. To assist with each circuit implementation, IPSC will facilitate processing of circuit orders between the user agency and the Intelenet Commission. IPSC will provide, as components of the infrastructure, all T1 circuits between each IR site and its respective Smart Zone Controller, while local and state agencies participating will be required to supply the T1's for each wire line dispatch center connected to the backbone.

2) Objective

Establish a telecommunications standard for connectivity to the IPSC Project Hoosier SAFE-T backbone network

Establish standard processes for ordering of T1 circuits and management/oversight of the implementation process to help insure timely installation and circuit testing by Motorola.

Create an IPSC database of T1 circuit information to be used for the purpose of tracking the order process, monitoring implementation and future network administration..

3) Constraints

Availability of T1 facilities at remote site locations. Telecommunications infrastructure may not be in place in some areas of the state capable of supporting the bandwidth required for T1.

Pass through costs related to the build out of T1 services by the LEC (Local Exchange Company). The costs associated with providing T1 services can be extremely high, if build out is required. The telecommunications providers typically pass those charges along to the customer as part of the build out expense. Departments and agencies will need to confirm the availability of T1 service as part of the qualification process defined in the procedure section of this manual. **Written approval to proceed with an order for a T1 circuit build out must be provided to Intelenet before an order will be placed with the vendor.**

Availability of alternative telecommunications services from the tower site – I.S.P. microwave T1 support

Qualification by Motorola of T1 circuit throughput/performance. Motorola will conduct circuit qualification tests prior to approving the circuit for use on the Hoosier SAFE-T network.